

WHAT IS CLAIMED IS:

1. A method of discharging an aerosolized fluid from an aerosol can to an ambient environment, comprising the steps of:

fluidly coupling a solenoid valve of an aerosol release device with a discharge valve on said aerosol can;

5 determining a duration of a first release period of the aerosolized fluid from the aerosol can;

actuating said solenoid valve using an electronic controller to thereby release the aerosolized fluid to the ambient environment for said duration of said first release period;

determining a duration of a second release period of the aerosolized fluid from the aerosol can, said duration of said second release period being randomly varied to avoid user
10 habituation of the aerosolized fluid; and

actuating said solenoid valve using said electronic controller to thereby release the aerosolized fluid to the ambient environment for said duration of said second release period.

2. The method of discharging an aerosolized fluid of claim 1, including the steps of:

determining a duration of a third release period of the aerosolized fluid from the aerosol can after said second release period;

determining a duration of a fourth release period of the aerosolized fluid from the aerosol
5 can, said duration of said fourth release period being randomly varied to avoid user habituation of the aerosolized fluid;

determining a period from a beginning of said fourth release period to a beginning of a previous release period, said period associated with said fourth release period being randomly varied; and

10 actuating said solenoid valve using said electronic controller to thereby release the aerosolized fluid to the ambient environment for said duration of said fourth release period.

3. The method of discharging an aerosolized fluid of claim 1, including the steps of:

 determining a decreasing pressure profile of the aerosolized fluid within the aerosol can, dependent upon a number of said actuations of said solenoid valve;

 determining a duration of a third release period of the aerosolized fluid from the aerosol
5 can, said third release period being increased relative to said first release period, dependent upon said decreasing pressure profile.

4. The method of discharging an aerosolized fluid of claim 3, including the step of increasing a frequency of at least one of said second release period and said third release period over time, dependent upon said decreasing pressure profile.

5. The method of discharging an aerosolized fluid of claim 1, wherein said duration of said second release period is randomly varied relative to said first release period.

6. The method of discharging an aerosolized fluid of claim 1, wherein the aerosolized fluid comprises one of a fragrance, insecticide, anti-mold compound and anti-mildew compound.

7. The method of discharging an aerosolized fluid of claim 1, including the step of manually discharging aerosolized fluid from the aerosol can using a manual switch.

8. The method of discharging an aerosolized fluid of claim 1, including the step of powering said solenoid valve and said electronic controller with a battery.

9. A method of discharging an aerosolized fluid from an aerosol can to an ambient environment, comprising the steps of:

 fluidly coupling a solenoid valve of an aerosol release device with a discharge valve on said aerosol can;

5 determining a duration of a first release period of the aerosolized fluid from the aerosol can;

 actuating said solenoid valve using an electronic controller to thereby release the aerosolized fluid to the ambient environment for said duration of said first release period;

 determining a decreasing pressure profile over time of the aerosolized fluid within the
10 aerosol can;

 determining a duration of a second release period of the aerosolized fluid from the aerosol can, dependent upon said decreasing pressure profile, said duration of said second release period being increased in both frequency and duration over time relative to said first release period; and

15 actuating said solenoid valve using said electronic controller to thereby release the aerosolized fluid to the ambient environment for said duration of said second release period.

10. The method of discharging an aerosolized fluid of claim 9, wherein said determined decreasing pressure profile of the aerosolized fluid within the aerosol can is dependent upon a number of said actuations of said solenoid valve.

11. The method of discharging an aerosolized fluid of claim 9, wherein the aerosolized fluid comprises one of a fragrance, insecticide, anti-mold compound and anti-mildew compound.

12. The method of discharging an aerosolized fluid of claim 9, including the step of manually discharging aerosolized fluid from the aerosol can using a manual switch.